

贵州

统计年鉴

GUIZHOU STATISTICAL YEARBOOK 2018

贵州省统计局 国家统计局贵州调查总队 编

Compiled by Guizhou Provincial Bureau of Statistics NBS Survey Office in Guizhou



农业

Agriculture

13



简要说明

一、主要内容

本篇资料反映我省农业生产和农村经济的基本情况，包括农村基本情况、农业生产条件、农业机械拥有量、水利灌溉与除涝、农林牧渔业产值、主要农产品产量等。

二、统计范围

农业统计范围包括全社会除军马生产及农业科研机构进行的农业生产以外的所有农业生产活动。即农村各种经济组织和农户经营的农林牧渔业生产活动；各种专业性农、林、牧、渔场的农业生产活动；国家各级机关、团体、学校、部队进行的农业生产活动；集体所有制的乡、镇、村办农场的农业生产活动；以及工矿企业经营的农、林、牧、渔业生产活动。

三、资料来源

本篇资料由省统计局农村统计处、国家统计局贵州调查总队、省农委、省水利厅、省林业厅提供。

Brief Introduction

I. Main Contents

The data in this chapter show the basic conditions of agricultural production and rural economy, including basic situation of rural, conditions for agricultural production, quantity of agricultural machinery, facilities of water conservancy and efforts to eliminate water-logging, output of agriculture, forestry, animal husbandry and fishery, output of major products ect.

II. The Scope of Data

Statistics on agriculture cover all agricultural production activities except horse raising for military purpose and agricultural production activities undertaken by agriculture research institutions. In other words, included in

agriculture statistics are production activities in agriculture, forestry, animal husbandry and fishery undertaken by rural economic units of various types and by rural households; production activities of farms specializing in agriculture, forestry, animal husbandry and fishery; production activities in agriculture undertaken by government agencies, institutions, schools and military units; production activities in agriculture undertaken by collective farms run by townships and villages; and production activities in agriculture, forestry, animal husbandry and fishery undertaken by manufacturing and mining enterprises.

II. Data Sources

Data on agricultural production are provided by Agriculture Department of Guizhou Provincial Bureau of Statistics, the Department of Guizhou Survey, NBS, the Committee on Agriculture of Guizhou Province, the Water Resources Department of Guizhou Province.

Data on forestry production afforestation are provided by Guizhou Forestry Department.

Data on aquatic production are provided by the Committee on Agriculture of Guizhou Province.



13-1 农村基本情况及农业生产条件 Basic Conditions of Rural Areas and Agricultural Production

指 标	Item	2013	2014	2015	2016	2017
农村基层组织	Rural Grassroots Units					
乡镇个数(个)	Number of Township and Town Governments(unit)	1388	1262	1197	1158	1156
村委会个数(个)	Number of Villagers' Committees(unit)	16859	16747	16612	14619	13436
农村社会基础设施	Basic Facilities in Rural Areas					
自来水受益村数(个)	Number of Villages with Access to Tap Water(unit)	13997	14153	14358	13518	13759
通有线电视的村数(个)	Villages with Automobile(unit)					8707
通宽带的村数(个)	Villages with Telephone Communication(unit)					11816
通有线广播的村数(个)	Villages with Wire Broadcast(unit)	7336	7722	7995	8014	—
农业机械化	Agricultural Mechanization					
农用机械总动力(万千瓦)	Total Power of Agricultural Machinery(10000 kw)	2240.80	2458.40	2575.15	2711.30	2812.42
柴油机	Diesel Engine	1601.13	1735.05	1800.13	1874.79	1794.01
汽油机	Gas Engine	77.45	94.32	106.59	117.49	223.70
电动机	Electromotor	555.60	625.94	668.11	718.70	794.38
其他机械	Others	6.63	3.09	0.32	0.32	0.32
农村主要物资消耗	Main Materials Consumption for Agricultural Use					
农用化肥施用量(折纯法)(万吨)	Consumption of Chemical Fertilizer (pure)(10000 tons)	99.54	101.29	103.69	103.67	95.65
农药使用量(吨)	Consumption of Chemical Pesticides(ton)	13744	13425	13722	13677	13399
农用塑料薄膜使用量(吨)	Consumption of Farm Plastic Membrane(ton)	48031	48949	49403	51053	51138

注：“农业机械化”资料来源于省农委。

Note: The data of "agricultural mechanization" are provided by the Provincial Agricultural Commission.

13-2 年末主要农业机械拥有量
Major Agricultural Machinery at the Year-end

指 标	Item	2013	2014	2015	2016	2017	2017年比 2016年增长(%) Increase Rate in 2017over2016(%)
大中型拖拉机(万台)	Large and Medium-sized Tractors(10000 unit)	4.19	4.21	4.28	4.24	4.17	-1.6
大中型拖拉机配套农具(万套)	Large and Medium-sized Tractor Towing Farm Machinery (10000 unit)	1.53	1.62	1.71	1.62	1.69	4.1
小型拖拉机(万台)	Small Tractors (10000 unit)	8.59	9.52	9.92	10.30	11.29	9.6
小型拖拉机配套农具(万套)	Small Tractor Towing Farm Machinery (10000 unit)	2.90	3.10	3.01	2.85	2.94	3.1
农用排灌电动机(万台)	Drainage and Irrigation Electromotor Engines(10000 unit)	22.50	25.62	27.23	29.72	32.68	10.0
农用排灌柴油机(万台)	Drainage and Irrigation Diesel Engines (10000 unit)	19.98	21.14	23.68	24.55	25.29	3.0
联合收割机(台)	Combine Harvesters(unit)	1570	1812	2269	2535	2791	10.1

注：资料来源于省农委。

Note: The data in this table are provided by the Provincial Agricultural Commission.

13-3 灌溉、除涝治水
Irrigation, Flood Prevention, Water and Soil Conservation

项 目	Item	2013	2014	2015	2016	2017
水利投入(亿元)	Input of Water Conservancy(100 million yuan)	192.52	211.33	373.56	383.50	395.90
有效灌溉面积(千公顷)	Effective Irrigated Area(1000 Ha.)	1367.66	1429.49	1506.56	1552.92	1585.66
节水灌溉面积(千公顷)	Water-saving Irrigated Area (1000 Ha.)	304.37	313.28	325.58	323.52	332.82
除涝面积(千公顷)	Areas with Flood Prevention Measures(1000 Ha.)	53.49	89.90	97.56	99.29	121.42
水土流失治理面积(千公顷)	Area of Soil Erosion under Control(1000 Ha.)	5816.53	6046.39	6297.78	6556.46	6814.62
堤防长度(公里)	Total Length of Dikes(km)	2453.58	3025.19	3255.57	3415.64	3788.92
堤防保护面积(千公顷)	Area of Land Protected by Dikes (1000 Ha.)	196.39	287.72	302.28	313.53	337.50
旱涝保收面积(千公顷)	Area that Ensure Stable Yields Despite Drought or Excessive Rain(1000 hectares)	672.47	679.29	729.44	742.77	742.00

注：资料来源于省水利厅。

Note: Data in this table are provided by the Provincial Department of Water Resources.



13-4 农林牧渔业增加值

Value-Added of Farming, Forestry, Animal Husbandry, Fishery and Their Services

单位: 亿元

(100 million yuan)

指 标	Item	2013	2014	2015	2016	2017
农林牧渔业增加值	Added Value of FFAFS	1031.70	1316.08	1712.65	1959.93	2139.97
农 业	Farming	646.12	851.89	1096.54	1196.50	1306.43
林 业	Forestry	47.71	68.15	92.87	133.32	156.73
畜牧业	Animal Husbandry	280.68	331.16	415.94	494.31	531.08
渔 业	Fishery	23.96	29.25	35.26	37.68	38.03
农、林、牧、渔服务业	FFAF Services	33.23	35.63	72.04	98.12	107.69
农林牧渔业增加值增长速度(%)	Added Value of FFAFS growth rate(%)	5.8	6.5	6.4	5.9	6.2
农 业	Farming	5.7	8.1	8.1	6.8	7.1
林 业	Forestry	7.0	7.3	7.9	8.3	7.7
畜牧业	Animal Husbandry	4.9	1.8	1.2	2.9	4.4
渔 业	Fishery	20.0	19.7	17.1	15.6	3.5
农、林、牧、渔服务业	FFAF Services	4.8	3.3	4.6	3.7	3.9

注: 2016-2017年为第三次全国农业普查修订数。

Note: The provincial data in 2016 and 2017 are the revised data of the third national agricultural census.

13-5 主要农作物播种面积 Sown Areas of Major Farm Crops

单位: 千公顷

(1000 hectares)

指 标	Item	2013	2014	2015	2016	2017	2017年比 2016年增长(%) Increase Rate in 2017 over 2016 (%)
农作物总播种面积	Total Sown Areas	5390.11	5516.46	5542.17	5596.81		
#粮食作物	Grain Crops	3118.42	3138.35	3114.91	3113.26	3051.24	-2.0
# 稻 谷	Rice	684.45	681.96	675.14	674.26	661.28	-1.9
小 麦	Wheat	251.78	251.50	248.68	241.70	222.82	-7.8
玉 米	Corn	778.35	787.47	763.22	740.32	715.27	-3.4
大 豆	Soja	128.17	130.62	135.11	139.58	129.59	-7.2
薯 类	Tubers	937.90	944.50	944.13	966.52	976.45	1.0
#马铃薯	Potato	689.50	704.25	709.18	731.71	744.44	1.7
油 料	Oil-bearing Crops	560.76	582.14	590.96	662.23	671.86	1.5
#油菜籽	Rapeseeds	506.72	521.61	528.11	521.35	527.27	1.1
花 生	Peanuts	43.56	48.90	51.30	50.29	51.66	2.7
糖 料	Sugar Crops	27.93	27.85	26.80	12.16	12.53	3.0
#甘 蔗	Sugarcane	27.92	27.84	26.79	12.13	12.52	3.2
烟 叶	Tobacco	266.43	228.51	194.20	167.95	155.91	-7.2
#烤 烟	Flue-cured Tobacco	254.86	216.41	182.06	155.61	143.44	-7.8
药材类	Medicinal Materials	117.54	146.60	155.81	163.62	185.32	13.3
蔬 菜	Vegetable	847.72	924.25	980.22	1145.11	1235.11	7.9

注: 2016-2017年经济作物数据为第三次农业普查修正数。(以下相关表同)

Note: The agricultural data of 2016 and 2017 are all revised data of the third agricultural census (the following tables are the same).



13-6 主要农作物产品产量

Yields of Major Farm Crops

单位: 万吨

(10000 tons)

指 标	Item	2013	2014	2015	2016	2017	2017年比 2016年增长(%) Increase Rate in 2017 over 2016 (%)
粮食作物	Grain Crops	1029.99	1138.50	1180.00	1192.38	1178.54	-1.2
# 稻 谷	Rice	361.30	403.24	417.54	430.48	423.70	-1.6
小 麦	Wheat	51.51	61.50	61.67	59.74	58.85	-1.5
玉 米	Corn	298.03	313.81	324.08	324.38	313.56	-3.3
大 豆	Soja	8.04	11.78	12.60	13.78	12.83	-6.9
薯 类	Tubers	263.36	289.91	303.84	301.85	309.76	2.6
# 马铃薯	Potato	211.40	226.60	237.62	233.35	242.04	3.7
油料作物	Oil-bearing Crops	91.53	98.05	101.34	113.66	109.82	-3.4
# 油菜籽	Rapeseeds	81.78	86.69	89.03	88.75	89.22	0.5
花 生	Peanuts	8.25	9.71	10.50	10.64	10.81	1.6
甘 蔗	Sugarcane	159.29	168.27	156.09	71.23	73.54	3.2
烤 烟	Flue-cured Tobacco	41.79	35.34	32.93	27.45	24.48	-10.8
蔬菜及食用菌	Vegetable and edible mushrooms	1500.45	1625.62	1731.88	2033.56	2272.16	11.7

13-7 主要农作物单产

Yields of Major Farm Crops Per Mu

单位: 公斤/亩

(kg/mu)

指 标	Item	2013	2014	2015	2016	2017	2017年比 2016年增长(%) Increase Rate in 2017 over 2016 (%)
粮食作物	Grain Crops	220	242	253	255	258	1.2
# 稻 谷	Rice	352	394	412	426	427	0.3
小 麦	Wheat	136	163	165	165	176	6.7
玉 米	Corn	255	266	283	292	292	0.1
大 豆	Soja	42	60	62	66	66	0.0
薯 类	Tubers	187	205	215	208	211	1.7
# 马铃薯	Potato	204	215	223	213	217	1.8
油料作物	Oil-bearing Crops	109	112	114	114	109	-4.4
# 油菜籽	Rapeseed	108	111	112	113	113	持平
花 生	Peanuts	126	132	136	141	139	-1.4
甘 蔗	Sugarcane	3804	4029	3884	3913	3915	0.1
烤 烟	Flue-cured Tobacco	109	109	121	118	114	-3.4

13-8 茶叶、水果面积及产量
Total Sown Areas and Yields of Tea, Fruit

指 标	Item	2013	2014	2015	2016	2017	2017年比 2016年增长(%) Increase Rate in 2017 over 2016 (%)
面 积(千公顷)	Area(1000 Ha.)						
茶园	Tea Field Area	313.24	369.26	418.89	420.78	456.22	8.4
果园	Orchards Filed Area	228.13	262.14	300.48	332.75	406.35	22.1
产 量(万吨)	Yield(10000 tons)						
茶 叶	Tea	8.94	10.71	11.80	14.13	17.65	24.9
水 果	Fruits	167.75	196.38	224.90	235.84	283.53	20.2
*园林水果	Garden Fruit	105.74	125.98	147.65	168.04	210.99	25.6
*苹 果	Apples	3.25	4.39	5.27	5.65	7.07	25.1
梨	Pears	24.09	27.31	29.24	24.17	28.04	16.0
柑 桔	Citrus	25.48	28.91	32.01	20.57	25.39	23.4
香 蕉	Bananas	0.56	0.58	0.85	0.72	1.73	140.3
猕猴桃	Chinese Gooseberrys	2.21	2.50	5.25	7.04	9.47	34.5
柿 子	Persimmons	1.46	1.50	1.49	1.59	1.56	-1.8

注：水果产量含果用瓜。

Note: The yield of fruits includes melons.

13-9 造林及林产品产量
Areas of Forestation and Output of Forest Products

单位：吨

(ton)

指 标	Item	2013	2014	2015	2016	2017
当年造林面积(千公顷)	Areas of Forestation in this year(1000 hectares)	218.2	302.7	280	350	667
林产品产量	Output of Forest Products					
生 漆	Lacquer	1827	6955	8600	7649	6942
油桐籽	Tung-oil Seed	70863	73095	68312	66031	65902
油茶籽	Tea-oil Seed	31220	69438	71790	73980	74528
乌桕籽	Tallow-seed	2305	2666	2653	2194	1807
五倍籽	Nutgall	2633	7207	6881	6122	6971
棕 片	Palm-flake	4321	5166	5341	5462	5533
松 脂	Pine Resin	13799	15992	17869	17904	19077
核 桃	Walnuts	34315	57383	74791	93154	103465
板栗	Chestnut	31621	53233	58015	54015	84033

注：1.“造林面积”数据来源于省林业厅。2.由于统计方法制度改变，2014年起“林产品产量”数据来源于省林业厅。

Note:1."The areas of forestation" in the table are obtained from the Provincial Department of Forest.2 Due to the changing of statistics method, the data of "output of forestry products" since 2014 are provided by the Provincial Department of Forest.



13-10 畜牧业生产及水产品

Livestock Production and Aquatic Products

指 标	Item	2013	2014	2015	2016	2017	2017年比 2016年增长(%) Increase Rate in 2017 over 2016 (%)
当年出栏数	Number of Slaughtered Fattened Hogs, Ox, Goats and Sheep						
猪(万头)	Slaughtered Fattened Hogs (10000 heads)	1832.28	1845.27	1795.26	1759.35	1825.15	3.7
牛(万头)	Ox by Sold and Killed(10000 heads)	115.22	117.35	133.26	140.72	150.99	7.3
羊(万头)	Goats by Sold and Killed (10000 heads)	205.39	220.38	246.14	263.86	286.05	8.4
肉类总产量(万吨)	Total Yield of Meat(10000 tons)	199.74	201.80	201.94	199.28	207.57	4.2
#猪肉	Pork	163.73	165.55	160.75	154.96	160.10	3.3
牛肉	Beef	14.13	14.68	16.76	17.85	19.06	6.8
羊肉	Mutton	3.51	3.75	4.20	4.50	4.81	6.9
禽肉	Poultry	15.48	14.84	16.31	17.72	18.78	6.0
其他畜产品产量	Others						
牛奶(万吨)	Cow Milk(10000 tons)	5.45	5.71	6.20	6.39	6.56	2.7
禽蛋(万吨)	Poultry Eggs(10000 tons)	15.44	16.20	17.58	18.78	18.69	-0.5
蜂蜜(吨)	Honey(ton)	2468	2733	3017	3075	3566	16.0
大牲畜年末存栏数(万头)	Large Animals(year-end) (10000 heads)	536.90	572.05	609.20	597.17	503.96	-15.6
#牛	Cattle and Buffaloes	460.62	495.86	535.95	518.26	492.35	-5.0
猪年末存栏数(万头)	Hogs(year-end) (10000 heads)	1604.10	1600.57	1558.96	1498.16	1596.89	6.6
羊年末存栏数(万只)	Sheep and Goats(year-end) (10000 heads)	299.59	337.40	354.67	349.24	383.47	9.8
水产品(万吨)	Aquatic Products (10000 tons)	16.70	20.99	24.98	24.65	25.48	3.4

注：1.“水产品”数据来源于省农委。2.2016—2017年水产品数据为第三次农业普查修订数。

Note: 1.Data of "aquatic products" are obtained from the Provincial Agricultural Commission. 2.The data of aquatic products of 2016-2017 are the revision of the third agricultural census.

13-11 历年主要农产品产量

Output of Major Farm Products Over the Years

单位: 万吨

(10000 tons)

年份 Year	粮食 Grain	油料 Oil-Bearing Crops	烤烟 Flue-cured Tobacco	水果 Fruits	肉类总产量 Total Yield of Meat	水产品 Aquatic Products
1978	643.36	9.89	8.11	4.82	12.80	0.37
1979	623.05	10.90	9.54	4.68	22.84	0.38
1980	648.35	15.59	5.56	4.97	26.67	0.55
1981	567.36	34.04	11.93	6.23	31.61	0.58
1982	654.00	48.10	16.41	6.58	35.26	0.60
1983	703.00	28.50	13.62	7.19	38.58	0.81
1984	757.80	30.59	21.48	9.23	44.76	1.22
1985	594.96	31.97	26.55	10.14	50.46	1.35
1986	672.34	41.90	19.24	13.88	57.09	1.40
1987	673.17	46.34	21.19	15.19	62.26	1.80
1988	635.68	39.87	29.15	15.63	68.73	1.86
1989	708.25	32.93	31.58	16.80	71.82	2.01
1990	721.00	43.87	28.66	16.68	74.47	2.24
1991	885.50	61.79	38.53	17.17	81.65	2.29
1992	788.90	53.38	44.90	14.18	85.59	2.36
1993	869.50	43.28	49.66	16.53	88.91	2.55
1994	938.70	47.32	33.04	16.47	95.02	2.80
1995	948.85	58.83	33.53	20.97	105.69	3.27
1996	1002.60	55.62	52.27	19.46	103.65	3.50
1997	1025.90	58.97	68.66	25.14	106.77	4.21
1998	1100.00	62.24	29.19	27.50	113.33	5.02
1999	1125.21	67.31	32.32	32.57	117.09	5.50
2000	1161.30	74.34	31.09	58.33	124.06	6.24
2001	1100.30	71.32	26.38	62.93	131.70	6.89
2002	1034.20	72.48	30.65	71.57	145.02	7.46
2003	1104.30	72.31	28.72	78.75	156.99	7.96
2004	1149.58	82.71	29.98	87.17	171.06	8.85
2005	1152.06	84.89	34.45	95.96	187.01	9.46
2006	1038.00	68.24	30.71	109.19	163.70	6.71
2007	1100.86	69.66	31.22	112.86	150.60	7.68
2008	1158.00	68.39	37.71	114.28	161.46	7.80
2009	1168.27	78.68	36.92	119.74	169.60	8.03
2010	1112.30	60.34	37.02	123.47	179.09	8.79
2011	876.90	78.85	32.50	128.03	179.97	10.88
2012	1079.50	87.38	37.31	147.72	190.27	13.47
2013	1029.99	91.53	41.79	167.75	199.74	16.70
2014	1138.50	98.05	35.34	196.38	201.80	20.99
2015	1180.00	101.34	32.93	224.90	201.94	24.98
2016	1192.38	113.66	27.45	235.84	199.28	24.65
2017	1178.54	109.82	24.48	283.53	207.57	25.48

注: 1. 肉类总产量1978-1984年为猪牛羊羊肉产量, 1985-1988年为猪牛羊禽肉产量, 1989年起为猪牛羊禽肉产量和其他肉(如: 马肉、狗肉、兔肉等)产量。2. 2000年起水果产量含采用品。

Note: 1. The Data of Total Yield of Meat included output of pork, beef and mutton from 1978 to 1984; it included Output of Pork, Beef, Mutton and Meat of Poultry from 1985 to 1988; after 1989, it includes output of pork, beef, mutton, meat of poultry and other meat (e.g. horse, dog, rabbit meat and so on).

2. After 2000, the data of yield of fruits included output of melon used as fruits.



主要统计指标解释

农业机械总动力 指主要用于农、林、牧、渔业的各种动力机械的动力总和。包括耕作机械、排灌机械、收获机械、农用运输机械、植物保护机械、牧业机械、林业机械、渔业机械和其他农业机械〔内燃机按引擎马力折成瓦(特)计算、电动机按功率折成瓦(特)计算〕。不包括专门用于乡、镇、村、组办工业、基本建设、非农业运输、科学试验和教学等非农业生产方面用的动力机械与作业机械。

农用化肥施用量 指本年内实际用于农业生产的化肥数量,包括氮肥、磷肥、钾肥和复合肥。化肥施用量要求按折纯量计算数量。折纯量是指把氮肥、磷肥、钾肥分别按含氮、含五氧化二磷、含氧化钾的百分之一百成份进行折算后的数量。复合肥按其所含主要成分折算。

有效灌溉面积 指具有一定的水源,地块比较平整,灌溉工程或设备已经配套,在一般年景下当年能够进行正常灌溉的耕地面积。

农林牧渔业总产值 指以货币表现的农、林、牧、渔业全部产品和对农林牧渔业生产活动进行的各种支持性服务活动的价值总量,它反映一定时期内农业生产总规模和总成果。农业总产值的计算方法通常是按农林牧渔业产品及其副产品的产量分别乘以各自单位产品价格求得,然后将四业产品产值及农林牧渔服务业产值相加即为农业总产值。

农作物播种面积 指实际播种或移植有农作物的面积。凡是实际种植有农作物的面积,不论种植在耕地上还是种植在非耕地上,均包括在农作物播种面积中。在播种季节基本结束后,因遭灾而重新改种和补种的农作物面积,也包括在内。

粮食产量 指全社会的产量。包括国有经济经营的、集体统一经营的和农民家庭经营的粮食产量,还包括工矿企业办的农场和其他生产单位的产量。粮食除包括稻谷、小麦、玉米、高粱、谷子及其他杂粮外,还包括薯类和豆类。其产量计算方法,豆类按去豆荚后的干豆计算;薯类(包括甘薯和马铃薯,不包括芋头和木薯)1963年以前按每4公斤鲜薯折1公斤粮食计算,从1964年开始改为按5公斤鲜薯折1公斤粮食计算。城市郊区作为蔬菜的薯类(如马铃薯等)按鲜品计算,并且不作粮食统计。其他粮食一律按脱粒后的原粮计算。

油料产量 指全部油料作物的生产量。包括花生、油菜籽、芝麻、向日葵籽、胡麻籽(亚麻籽)和其他油料。不包括大豆、木本油料和野生油料。花生以带壳干花生计算。

猪、牛、羊肉产量 指当年出栏并已屠宰、除去头蹄下水后带骨肉(即胴体重)的重量。

期初(末)畜禽存栏头(只)数 指报告期初(末)农村各种合作经济组织和国营农场、农民个人、机关、团体、学校、工矿企业、部队等单位以及城镇居民饲养的大牲畜、猪、羊、家禽等畜禽的存栏数。

水产品产量 指人工养殖的水产品和天然生长的水产品的捕捞量。包括海水的鱼类、虾蟹类、贝类和藻类以及内陆水域的鱼类、虾蟹类和贝类,不包括淡水水生植物。

Explanatory Notes on Main Statistical Indicators

Total Power of Agricultural Machinery refers to total mechanical power of machinery used in farming, forestry, animal husbandry and fishery, including machinery for ploughing, irrigation and drainage, harvesting, transport, plant protection, animal husbandry, forestry and fishery and other agricultural machineries. (For the power of internal combustion engines, it is converted from its horsepower into watts while for electric motors the output power is converted into watts.) Machinery employed for non-agricultural purposes, such as the machines used in township-run and village-run industry, construction, non-agricultural transport, scientific experiments and teaching, are not included.

Consumption of Chemical Fertilizers in Agriculture refers to the quantity of chemical fertilizers applied in agriculture in the year, including nitrogenous fertilizer, phosphate fertilizer, potash fertilizer, and compound fertilizer. The consumption of chemical fertilizers is calculated in terms of volume of effective components by means of converting the gross weight of the respective fertilizers into weight containing effective component (e.g. nitrogen content in nitrogenous fertilizer, phosphorous pentoxide contents in phosphate fertilizer, and potassium oxide contents in potash fertilizer). Compound fertilizer is converted in regard to its major components.

Effective Irrigated Area refers to area of land that are effectively irrigated, i.e. relatively level land, where there are water sources or complete sets of irrigation facilities to lift and move adequate water for irrigation purpose under normal conditions.

Gross Output Value of Farming, Forestry, Animal Husbandry and Fishery refers to the total value of products of farming, forestry, animal husbandry and fishery, and total value of services in support of farming, forestry, animal husbandry and fishery activities. It reflects the total scale and results of agricultural production during a given period. Gross output value of agriculture is obtained by multiplying the output of each product or by-product by its price, resulting in the output value of each single item. The sum of output values of all products of farming, forestry, animal husbandry and fishery and services in support to those industries is then equal to the gross output value of agriculture.

Sown Area of Crops refers to area of land sown or transplanted with crops regardless of being in cultivated area or non-cultivated area. Area of land re-sown due to natural disasters is also included.

Grain Output refers to the total output in the whole country including grains produced by State farms, collective units, rural households, as well as by farms affiliated to industrial and mining enterprises and other production units. Grain includes rice, wheat, corn, sorghum, millet and other miscellaneous grains as well as tubers and beans. Output of beans refers to dry beans without pods. The output of tubers (sweet potatoes and potatoes, not including taros and cassava) are converted into that of grain at the ratio 4:1, i.e. 4 kilograms of fresh tubers were equivalent to 1 kilogram of grain up to 1963. Since 1964 the ratio for conversion has been 5:1. Tubers supplied as vegetables (such as potatoes) in cities and suburbs are calculated as fresh vegetables and their output is not included in the output of grain. Output of all other grains refers to husked grain.

Output of Oil-bearing Crops refers to the total production of oil-bearing crops of various kinds, including peanuts (dry, in



shell), rapeseeds, sesame, sunflower seeds, flax seeds, and other oil-bearing crops. Soybeans, oil-bearing woody plants, and wild oil-bearing crops are not included.

Output of Pork, Beef, and Mutton refers to the meat of slaughtered hogs, cattle, sheep and goats with head, feet, and offal taken away.

Number of Livestock or Poultry In Stock at Beginning (or End) of Period refers to the total number of large animals, pigs, sheep, fowls, etc. raised by rural cooperative organizations, State farms, rural individuals, government agencies, schools, industrial and mining enterprises, army, and urban residents at the beginning (or end) of the reference period.

Output of Aquatic Products refers to catches of both artificially cultured and naturally grown aquatic products, including fish, shrimps, crabs and shellfish in sea and inland water as well as seaweed. Freshwater plants are not included.